

Certificate of Analysis

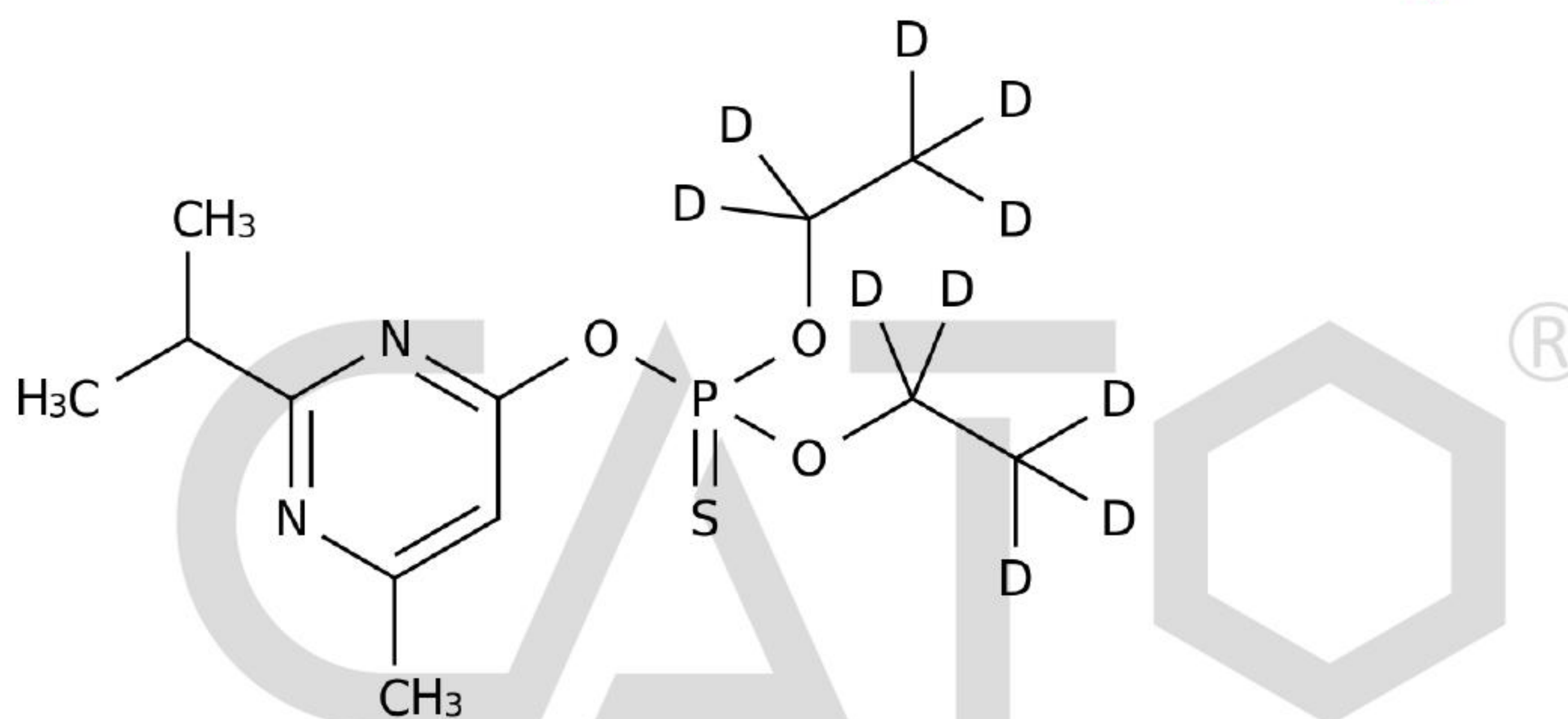
Reference Material & Standard

Product Name:	Diazinon-d10	Catalogue Number:	CCPD102193
Synonyms:	N/A	Lot Number:	0426-RD-0030
CAS Number:	100155-47-3	Expiry Date:	Jun 20, 2023
Molecular Formula:	C ₁₂ H ₁₁ D ₁₀ N ₂ O ₃ PS	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	314.41	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Chemical Purity	HPLC	99.58%
Isotopic Purity		99.31%
Water Content	Karl Fischer	1.0042%
Assay		98.6%
Uncertainty		±2.0%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Xenia

Reviewed by:

Cady

Approved by General Manager:

David



Date: May 30, 2017

Date: Apr 29, 2022

Date: Apr 29, 2022

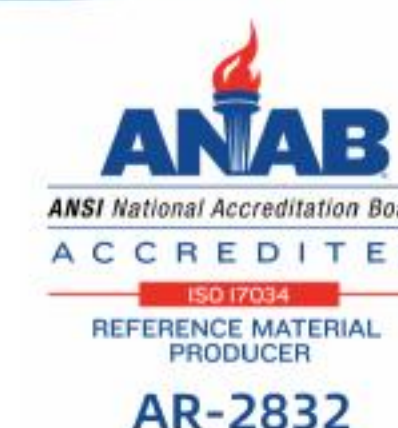
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Page 1 of 3



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